

FORM 15-IN
INITIAL CALIBRATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51918 MA No.: _____ SDG No.: MJNBZ5
 Instrument ID: P7 Start Date: 12/27/2024
 Analytical Method: ICP-MS Run Batch: LB134112
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.0	0	2	2.5	25	20	20	0
Antimony	0	0.0	0	0.2	0.23	15	2	2.2	10
Arsenic	0	0.0	0	0.1	0.12	20	1	1.3	30
Barium	0	0.0	0	1	1.1	10	10	11	10
Beryllium	0	0.0	0	0.1	0.12	20	1	1.1	10
Cadmium	0	0.0	0	0.1	0	-100	1	1.2	20
Calcium	0	0.0	0	50	59	18	500	560	12
Chromium	0	0.0	0	0.2	0.19	-5	2	2.1	5
Cobalt	0	0.0	0	0.1	0.11	10	1	1.1	10
Copper	0	0.0	0	0.2	0.21	5	2	2.1	5
Iron	0	0.0	0	5	5.9	18	50	60	20
Lead	0	0.0	0	0.1	0.1	0	1	1.0	0
Magnesium	0	0.0	0	50	53	6	500	530	6
Manganese	0	0.0	0	0.1	0.1	0	1	1.0	0
Molybdenum	0	0.0	0	0.5	0.51	2	5	5.2	4
Nickel	0	0.0	0	0.1	0.1	0	1	1.1	10
Potassium	0	0.0	0	50	54	8	500	550	10
Selenium	0	0.0	0	0.5	0.49	-2	5	5.5	10
Silver	0	0.0	0	0.1	0.11	10	1	1.1	10
Sodium	0	0.0	0	50	49	-2	500	490	-2
Thallium	0	0.0	0	0.1	0.1	0	1	1.0	0
Vanadium	0	0.0	0	0.5	0.53	6	5	5.4	8
Zinc	0	0.0	0	0.5	0.57	14	5	5.3	6

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 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	1000	990	-1	2500	2400	-4	5000	5000	0
Antimony	50	53	6	125	130	4	250	250	0
Arsenic	50	55	10	125	130	4	250	260	4
Barium	250	260	4	625	650	4	1250	1300	4
Beryllium	50	54	8	125	130	4	250	250	0
Cadmium	50	56	12	125	130	4	250	250	0
Calcium	5000	5300	6	12500	13000	4	25000	25000	0
Chromium	50	52	4	125	120	-4	250	250	0
Cobalt	50	52	4	125	120	-4	250	250	0
Copper	500	550	10	1250	1300	4	2500	2600	4
Iron	2500	2800	12	6250	6600	6	12500	13000	4
Lead	250	260	4	625	620	-1	1250	1200	-4
Magnesium	5000	5200	4	12500	12000	-4	25000	25000	0
Manganese	500	520	4	1250	1300	4	2500	2500	0
Molybdenum	500	520	4	1250	1300	4	2500	2500	0
Nickel	50	54	8	125	130	4	250	250	0
Potassium	2500	2600	4	6250	6300	1	12500	13000	4
Selenium	50	56	12	125	130	4	250	260	4
Silver	50	57	14	125	140	12	250	260	4
Sodium	5000	5300	6	12500	12000	-4	25000	25000	0
Thallium	50	50	0	125	120	-4	250	250	0
Vanadium	50	52	4	125	120	-4	250	240	-4
Zinc	500	530	6	1250	1300	4	2500	2600	4

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 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	10000	10000	0	20000	20000	0	100000	100000	0
Antimony	500	510	2	1000	990	-1			
Arsenic	500	510	2	1000	990	-1			
Barium	2500	2500	0	5000	5000	0			
Beryllium	500	490	-2	1000	1000	0			
Cadmium	500	500	0	1000	1000	0			
Calcium	50000	51000	2	100000	100000	0	500000	500000	0
Chromium	500	510	2	1000	1000	0			
Cobalt	500	510	2	1000	990	-1			
Copper	5000	5100	2	10000	9900	-1			
Iron	25000	26000	4	50000	52000	4	250000	250000	0
Lead	2500	2500	0	5000	5000	0			
Magnesium	50000	50000	0	100000	98000	-2	500000	500000	0
Manganese	5000	5100	2	10000	10000	0			
Molybdenum	5000	5100	2	10000	10000	0			
Nickel	500	500	0	1000	1000	0			
Potassium	25000	25000	0	50000	49000	-2	250000	250000	0
Selenium	500	510	2	1000	990	-1			
Silver	500	510	2	1000	990	-1			
Sodium	50000	50000	0	100000	100000	0	500000	500000	0
Thallium	500	500	0	1000	1000	0			
Vanadium	500	510	2	1000	1000	0			
Zinc	5000	5100	2	10000	9900	-1			

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 Lab Code: ACE Case No.: 51918 MA No.: _____ SDG No.: MJNBZ5
 Instrument ID: P7 Start Date: 12/27/2024
 Analytical Method: ICP-MS Run Batch: LB134140
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.0	0	2	2.5	25	20	20	0
Antimony	0	0.0	0	0.2	0.23	15	2	2.2	10
Arsenic	0	0.0	0	0.1	0.12	20	1	1.3	30
Barium	0	0.0	0	1	1.1	10	10	11	10
Beryllium	0	0.0	0	0.1	0.12	20	1	1.1	10
Cadmium	0	0.0	0	0.1	0	-100	1	1.2	20
Calcium	0	0.0	0	50	59	18	500	560	12
Chromium	0	0.0	0	0.2	0.19	-5	2	2.1	5
Cobalt	0	0.0	0	0.1	0.11	10	1	1.1	10
Copper	0	0.0	0	0.2	0.21	5	2	2.1	5
Iron	0	0.0	0	5	5.9	18	50	60	20
Lead	0	0.0	0	0.1	0.1	0	1	1.0	0
Magnesium	0	0.0	0	50	53	6	500	530	6
Manganese	0	0.0	0	0.1	0.1	0	1	1.0	0
Molybdenum	0	0.0	0	0.5	0.51	2	5	5.2	4
Nickel	0	0.0	0	0.1	0.1	0	1	1.1	10
Potassium	0	0.0	0	50	54	8	500	550	10
Selenium	0	0.0	0	0.5	0.49	-2	5	5.5	10
Silver	0	0.0	0	0.1	0.11	10	1	1.1	10
Sodium	0	0.0	0	50	49	-2	500	490	-2
Thallium	0	0.0	0	0.1	0.1	0	1	1.0	0
Vanadium	0	0.0	0	0.5	0.53	6	5	5.4	8
Zinc	0	0.0	0	0.5	0.57	14	5	5.3	6

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 Analytical Method: ICP-MS Run Batch: LB134140
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	1000	990	-1	2500	2400	-4	5000	5000	0
Antimony	50	53	6	125	130	4	250	250	0
Arsenic	50	55	10	125	130	4	250	260	4
Barium	250	260	4	625	650	4	1250	1300	4
Beryllium	50	54	8	125	130	4	250	250	0
Cadmium	50	56	12	125	130	4	250	250	0
Calcium	5000	5300	6	12500	13000	4	25000	25000	0
Chromium	50	52	4	125	120	-4	250	250	0
Cobalt	50	52	4	125	120	-4	250	250	0
Copper	500	550	10	1250	1300	4	2500	2600	4
Iron	2500	2800	12	6250	6600	6	12500	13000	4
Lead	250	260	4	625	620	-1	1250	1200	-4
Magnesium	5000	5200	4	12500	12000	-4	25000	25000	0
Manganese	500	520	4	1250	1300	4	2500	2500	0
Molybdenum	500	520	4	1250	1300	4	2500	2500	0
Nickel	50	54	8	125	130	4	250	250	0
Potassium	2500	2600	4	6250	6300	1	12500	13000	4
Selenium	50	56	12	125	130	4	250	260	4
Silver	50	57	14	125	140	12	250	260	4
Sodium	5000	5300	6	12500	12000	-4	25000	25000	0
Thallium	50	50	0	125	120	-4	250	250	0
Vanadium	50	52	4	125	120	-4	250	240	-4
Zinc	500	530	6	1250	1300	4	2500	2600	4

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 Analytical Method: ICP-MS Run Batch: LB134140
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	10000	10000	0	20000	20000	0	100000	100000	0
Antimony	500	510	2	1000	990	-1			
Arsenic	500	510	2	1000	990	-1			
Barium	2500	2500	0	5000	5000	0			
Beryllium	500	490	-2	1000	1000	0			
Cadmium	500	500	0	1000	1000	0			
Calcium	50000	51000	2	100000	100000	0	500000	500000	0
Chromium	500	510	2	1000	1000	0			
Cobalt	500	510	2	1000	990	-1			
Copper	5000	5100	2	10000	9900	-1			
Iron	25000	26000	4	50000	52000	4	250000	250000	0
Lead	2500	2500	0	5000	5000	0			
Magnesium	50000	50000	0	100000	98000	-2	500000	500000	0
Manganese	5000	5100	2	10000	10000	0			
Molybdenum	5000	5100	2	10000	10000	0			
Nickel	500	500	0	1000	1000	0			
Potassium	25000	25000	0	50000	49000	-2	250000	250000	0
Selenium	500	510	2	1000	990	-1			
Silver	500	510	2	1000	990	-1			
Sodium	50000	50000	0	100000	100000	0	500000	500000	0
Thallium	500	500	0	1000	1000	0			
Vanadium	500	510	2	1000	1000	0			
Zinc	5000	5100	2	10000	9900	-1			

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 Lab Code: ACE Case No.: 51918 MA No.: _____ SDG No.: MJNBZ5
 Instrument ID: P7 Start Date: 01/09/2025
 Analytical Method: ICP-MS Run Batch: LB134219
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.0	0	2	2.7	35	20	21	5
Antimony	0	0.0	0	0.2	0.23	15	2	2.2	10
Arsenic	0	0.0	0	0.1	0.08	-20	1	1.1	10
Barium	0	0.0	0	1	1.0	0	10	10	0
Beryllium	0	0.0	0	0.1	0.12	20	1	1.2	20
Cadmium	0	0.0	0	0.1	0.1	0	1	1.2	20
Calcium	0	0.0	0	50	57	14	500	550	10
Chromium	0	0.0	0	0.2	0.25	25	2	2.2	10
Cobalt	0	0.0	0	0.1	0.11	10	1	1.1	10
Copper	0	0.0	0	0.2	0.2	0	2	2.0	0
Iron	0	0.0	0	5	6.4	28	50	59	18
Lead	0	0.0	0	0.1	0.1	0	1	0.94	-6
Magnesium	0	0.0	0	50	55	10	500	540	8
Manganese	0	0.0	0	0.1	0.12	20	1	1.1	10
Molybdenum	0	0.0	0	0.5	0.51	2	5	5.2	4
Nickel	0	0.0	0	0.1	0.07	-30	1	1.1	10
Potassium	0	0.0	0	50	53	6	500	530	6
Selenium	0	0.0	0	0.5	0	-100	5	5.3	6
Silver	0	0.0	0	0.1	0.11	10	1	1.1	10
Sodium	0	0.0	0	50	50	0	500	500	0
Thallium	0	0.0	0	0.1	0.09	-10	1	0.95	-5
Vanadium	0	0.0	0	0.5	0.53	6	5	5.2	4
Zinc	0	0.0	0	0.5	0	-100	5	5.3	6

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 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	1000	990	-1	2500	2400	-4	5000	5100	2
Antimony	50	51	2	125	130	4	250	270	8
Arsenic	50	53	6	125	130	4	250	270	8
Barium	250	250	0	625	640	2	1250	1300	4
Beryllium	50	54	8	125	130	4	250	260	4
Cadmium	50	54	8	125	130	4	250	270	8
Calcium	5000	5000	0	12500	12000	-4	25000	26000	4
Chromium	50	51	2	125	120	-4	250	260	4
Cobalt	50	51	2	125	120	-4	250	260	4
Copper	500	530	6	1250	1300	4	2500	2700	8
Iron	2500	2700	8	6250	6600	6	12500	14000	12
Lead	250	240	-4	625	610	-2	1250	1300	4
Magnesium	5000	5100	2	12500	12000	-4	25000	26000	4
Manganese	500	510	2	1250	1200	-4	2500	2600	4
Molybdenum	500	500	0	1250	1200	-4	2500	2600	4
Nickel	50	53	6	125	130	4	250	270	8
Potassium	2500	2500	0	6250	6100	-2	12500	13000	4
Selenium	50	53	6	125	130	4	250	270	8
Silver	50	55	10	125	130	4	250	280	12
Sodium	5000	5100	2	12500	12000	-4	25000	27000	8
Thallium	50	46	-8	125	120	-4	250	260	4
Vanadium	50	50	0	125	120	-4	250	260	4
Zinc	500	510	2	1250	1200	-4	2500	2700	8

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 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	10000	10000	0	20000	20000	0	100000	100000	0
Antimony	500	520	4	1000	990	-1			
Arsenic	500	510	2	1000	990	-1			
Barium	2500	2600	4	5000	4900	-2			
Beryllium	500	500	0	1000	990	-1			
Cadmium	500	510	2	1000	990	-1			
Calcium	50000	52000	4	100000	99000	-1	500000	500000	0
Chromium	500	510	2	1000	990	-1			
Cobalt	500	520	4	1000	990	-1			
Copper	5000	5200	4	10000	9900	-1			
Iron	25000	27000	8	50000	52000	4	250000	250000	0
Lead	2500	2500	0	5000	5000	0			
Magnesium	50000	52000	4	100000	99000	-1	500000	500000	0
Manganese	5000	5100	2	10000	9900	-1			
Molybdenum	5000	5100	2	10000	9900	-1			
Nickel	500	520	4	1000	990	-1			
Potassium	25000	25000	0	50000	49000	-2	250000	250000	0
Selenium	500	520	4	1000	980	-2			
Silver	500	520	4	1000	980	-2			
Sodium	50000	52000	4	100000	100000	0	500000	500000	0
Thallium	500	510	2	1000	990	-1			
Vanadium	500	510	2	1000	990	-1			
Zinc	5000	5200	4	10000	9900	-1			